: SPLIT

Work Order ID 61924 DRELIMINARY ISSUE

Page 1

Revision ID:	D4180-1 PRELIM Gusset			Accept				s	etup Star Stop	1188111818	
	9/9/2010	Start Qty: 2.00 Req'd Qty: 2.00			Cust Item I Customer:	D:				118811181	
Approvals:	Process Plan	H	Date: 16-9-0 Date:	7 Tooling: SPC (Y/N):		ate:		R	tun Star Stop		
Sequence ID/ Work Center II		Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revis	ion Nbr							0.000		
D4180	PAI										
Waterjet FLOW CNC Waterje	at	Memo 1-Cut as p Dwg Rev Prog Rev	PAI	0.00				1810	-9-13	e	0
110 OC		QC2- Inspect parts off	•	0.00				IB.	0-9-13		
QC		Memo		0.00					h		

Dart Ae	rospace Ltd						,	2
W/O:			WORK ORDER	CHANGES				*
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	74							
Part No	:	PAR #:	Fault Category:	NCR: Y	es No DQ	A:	_ Date: _	
	Resolution	1:	Disposition:	QA: N/0	Closed:		Date: _	
NCR:			WORK ORDER NON-CON	IFORMANCE (N	CR)			

NCR:		WORK ORDER NON-CONFORMANCE (NCR)											
		Description of NC		Corrective Action Section E	Verification	Approval	Approval						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector					

Work Order ID 61924

Thursday, September 09, 2010 12:54:21 PM



Page 2

Item ID:

D4180-1

Revision ID: PRELIM

Item Name: Gusset

Start Date:

9/9/2010

Required Date: 9/16/2010

Start Qty: 2.00 Req'd Qty: 2.00



Accept



Setup Start

Stop



Reference:

Approvals:

Process Plan:

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Cust Item ID:

Customer:

Run

Start Stop



QC:

Sequence ID/

Work Center ID

120

Quality Control

Operation Description

QC8- Inspect parts - second check

Set Up/ Run Hours

Tool ID

Date:

Tool# Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

Memo

0.00 - inspecto 10 Pal

0.00

applu

130

Brake NC

Brake NC

Bend as per dwg

Memo

0.00

140

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

Sidosly (49)

rospace	Ltd							
		WO	RK ORDER CHANGE	S				
STEP	PRO	OCEDURE CHAN	EDURE CHANGE			Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Re	solution:	Disposition	QA: N/C C	losed:		Date: _		
		WORK ORDE	R NON-CONFORMAL	NCE (NC	٦)			
	Description of NC		Corrective Action Section		Verific	cation	Annroval	Approval
STEP	Section A	Initial Chief Eng	Action Description Chief Eng		& Sect		Chief Eng	QC Inspector
	STEP	: PAR #: Resolution: Description of NC	STEP PROCEDURE CHAN PAR #: Fault Category Resolution: Disposition WORK ORDE STEP Description of NC Section A Initial	STEP PROCEDURE CHANGE PROCEDURE CHANGE Fault Category: Besolution: Disposition: WORK ORDER NON-CONFORMAL WORK ORDER NON-CONFORMAL STEP Description of NC Section A Initial Action Description	WORK ORDER CHANGES STEP PROCEDURE CHANGE By E PAR #: Fault Category: NCR: Yes Resolution: Disposition: QA: N/C C WORK ORDER NON-CONFORMANCE (NCF STEP Description of NC Section A Section B Initial Action Description Sign of Sign of Section B Sign of Section A Sign of Section B Initial Action Description Sign of Sign of Section B Sign of Section A Sign of Section B Sign of Section A Sign of Section B Sign of Section A Sign of Section B Sign of Section B	WORK ORDER CHANGES STEP PROCEDURE CHANGE By Date :PAR #:Fault Category:NCR: Yes No DQ. Resolution:Disposition:QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC	WORK ORDER CHANGES STEP PROCEDURE CHANGE By Date Qty :	STEP PROCEDURE CHANGE By Date Qty Chief Eng / Prod Mgr :PAR #:Fault Category:NCR: Yes No DQA:Date:

Work Order ID 61924

Thursday, September 09, 2010 12:54:21 PM



Page 3

Item ID:

D4180-1

PRELIM Revision ID:

Required Date: 9/16/2010

Item Name:

Gusset

Start Date:

9/9/2010

Start Qty: 2.00 Req'd Qty: 2.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

QC:

Date:

Date:

Accept

SPC (Y/N):

Tooling:

Date:

Date:

Run

Setup

Start

Start

Stop

Reject

Number

Stop

Insp.

Stamp

Sequence ID/

Work Center ID

150

HandFinish

Hand Finishing

Operation Description

Chemical Conversion Coat per QSI005 4.1

Memo

Set Up/ Run Hours

0.00

Tool ID

Tool#

Plan

Code

Accept

Qty

Reject

Qty

160

QC

Quality Control

QC3-Inspect Part Finish

Memo

0.00 BR 10-9-16

0.00

0.00

170

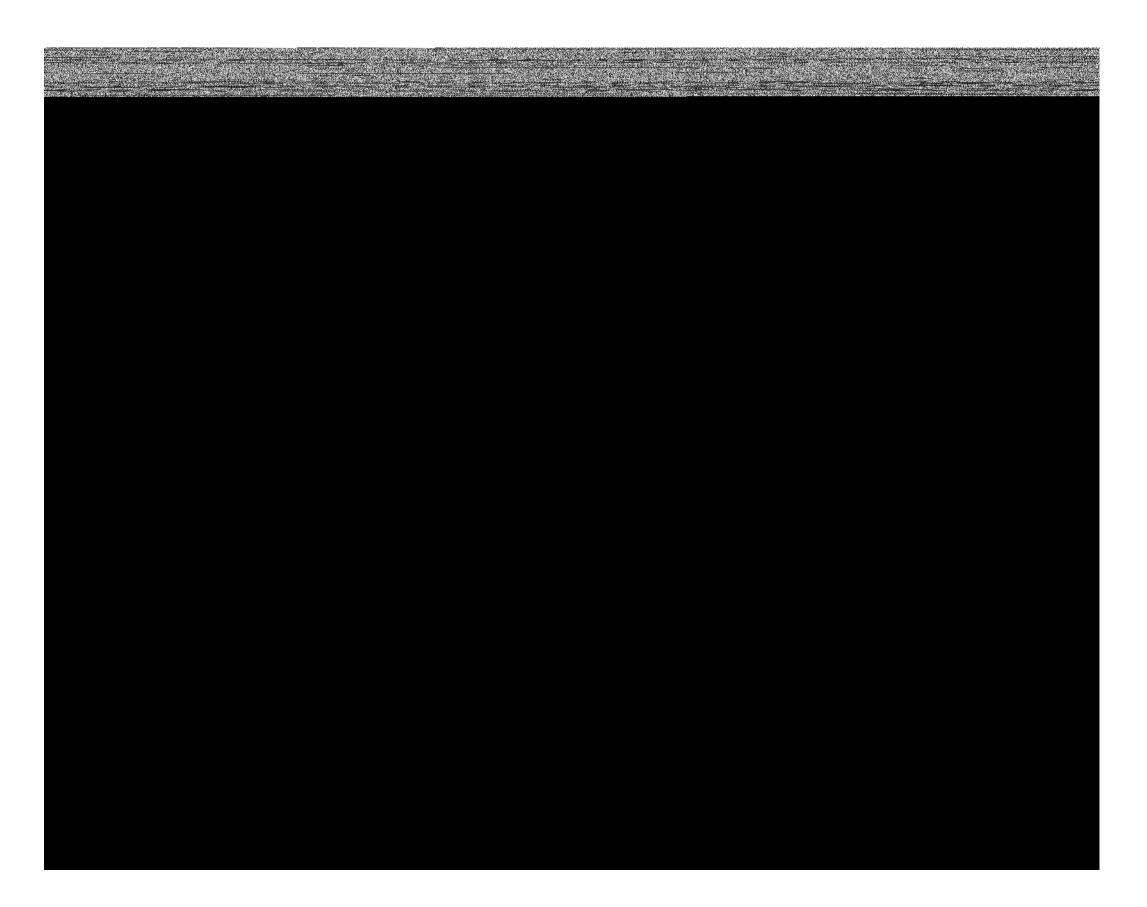
Packaging Packaging Identify as per dwg & Stock Location:

Memo

0.00

2 10-09-2

0.00



Work Order ID 61924

Thursday, September 09, 2010 12:54:21 PM



Page 4

Item ID:

D4180-1

PRELIM Revision ID:

Required Date: 9/16/2010

Item Name:

Gusset

QC:

Start Date:

9/9/2010

Req'd Qty: 2.00

Operation

Description

Start Qty: 2.00

Accept



Setup Start

Stop



Reference:

Approvals:

Process Plan:

Date: Date: Tooling:

SPC (Y/N):

Date: Date: Run

Start



Stop

Sequence ID/

Work Center ID

180

Memo

QC21- Final Inspection - Work Order Release

Set Up/ **Run Hours**

0.00

Tool ID

Cust Item ID:

Customer:

Tool # Plan

Accept Qty Code

Reject Qty

Reject Number Stamp

Insp.

Quality Control

0.00

U 10.9.23

POSITIVE RECALL

Dart Ae	rospace l	Ltd						*
W/O:			WO	RK ORDER CHANGE	S			
DATE	STEP	PROCEDURE CHANGE				Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Categ	gory:	NCR: Yes	No DQA:	Date:	
		solution:						
NCR:			WORK ORDE	R NON-CONFORMAN	ICE (NCR)			
		Description of NC		Corrective Action Section	В	Verification	Annuaval	Annestal
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector

		Description of NC		Corrective Action Section E	Verification	Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng			Section C	Chief Eng	QC Inspector

Picklist Print

Thursday, September 09, 2010 12:54:25 PM

Work Order ID: 61924

Parent Item:

D4180-1

Parent Item Name: Gusset



Start Date: 9/9/2010

Required Date: 9/16/2010

Start Qty: 2,00

Required Qty: 2.00

Comments:

IPP Rev:A 10.09.09 new issue DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6S.125		Purchased	No			100	sf	125,2600	0.191	0.402105			
		I								V	810-9	- R	

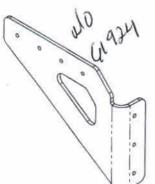
6061-T6 .125 Sheet

Location	Loc Qty	Loc Code		
MAT21	125.26			110
113608	96			(4)
114352	29.26		114 357	

W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			.,						
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	_ Date: _			
	R	esolution:	Disposition	1;	QA: N/C Clo	sed:		Date:	
NCR:			WORK ORDI	ER NON-CONFORMA	ANCE (NCR))			
DATE	STEP	Description of NC		on B	Verific		Approval	Approval	
DAIL	SILI	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section	on C	Chief Eng	QC Inspector

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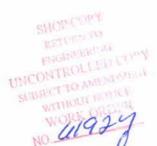


D4180-3 GUSSET



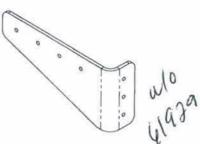


D4180-5 GUSSET









D4180-6 GUSSET

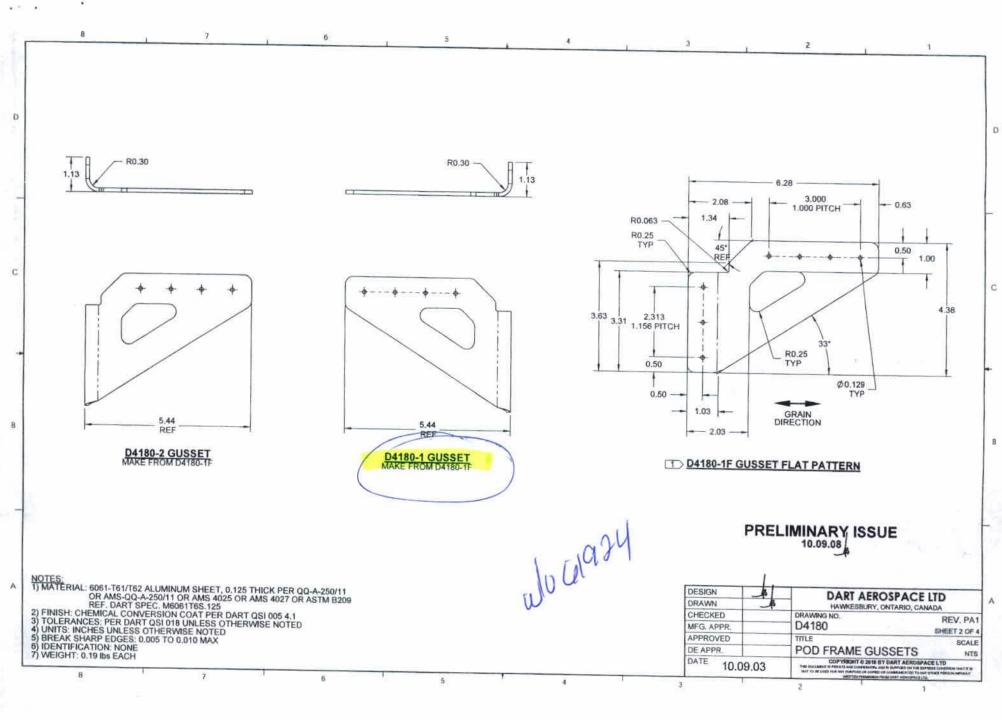
PRELIMINARY ISSUE

PA1	NEW ISS	SUE		M	8	10,09,03			
REV.				DESCRIPTION B	Y	DATE			
DESIGN				DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA					
DRAWN			5						
CHECKED			DRAWING NO.	REV. PA					
MFG. A	PPR.			D4180	SHEET 1 OF				
APPRO	VED			TITLE		SCALI			
DE APPR.			POD FRAME GUSSETS		NTS				
DATE	10.09.03			COPYRIGHT © 2819 BY DART AEROSPACE LTD THE SOCIALITY IS PRINTED AND COMPRISHED AND ART AEROSPACE TO HIGH TO BE USED AND ARE PURPOSED AN OUTBUILD BE DEPARTED TO ANY OTHER PRODUCTS HIGH TO BE USED AND ARE PURPOSED AN OUTBUILD BE DEPARTED TO ANY OTHER PRODUCTS AND AREA PURPOSED AND					

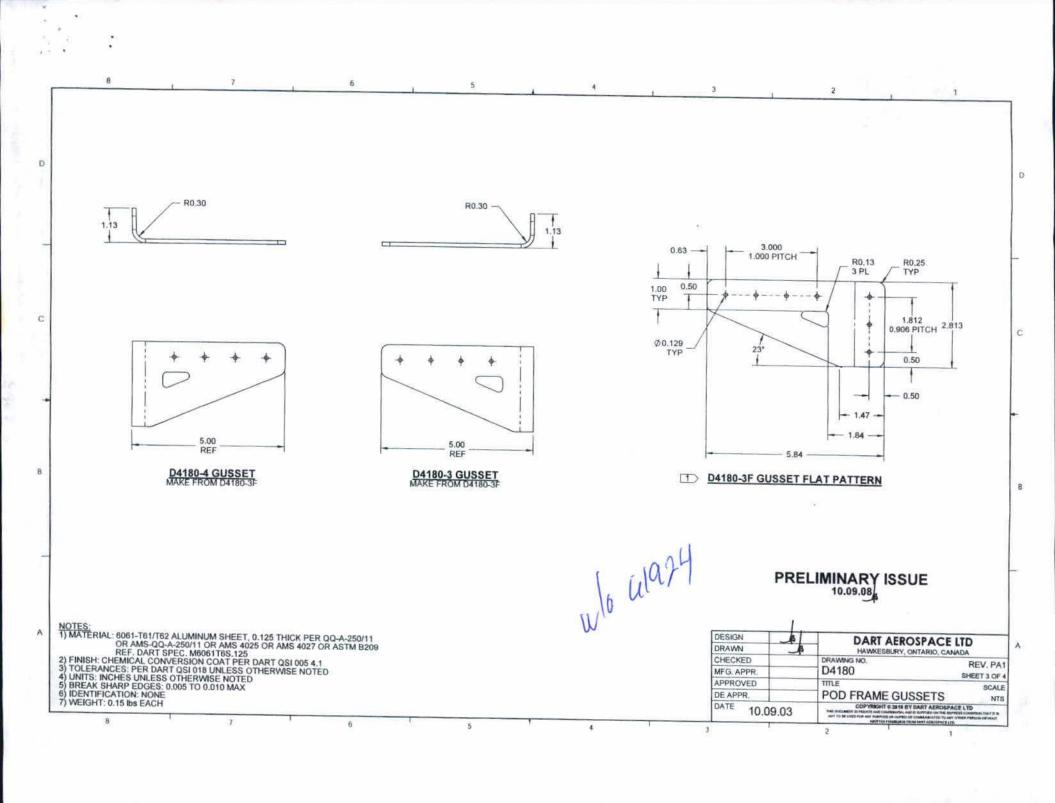
D4180-2 GUSSET

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Darine	обрасс									
W/O:			W	ORK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CHA	INGE	В	y	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cate	gory:	NCR: \	es N	o DQ	A:	Date:	
Resolution:			Dispositio	n:	QA: N/	C Clos	ed:		Date:	
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DATE	OTED	Description of NC	Corrective Action Section	m=111,09=13		Verific	ation	Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		gn & Date	Secti		Chief Eng	QC Inspector

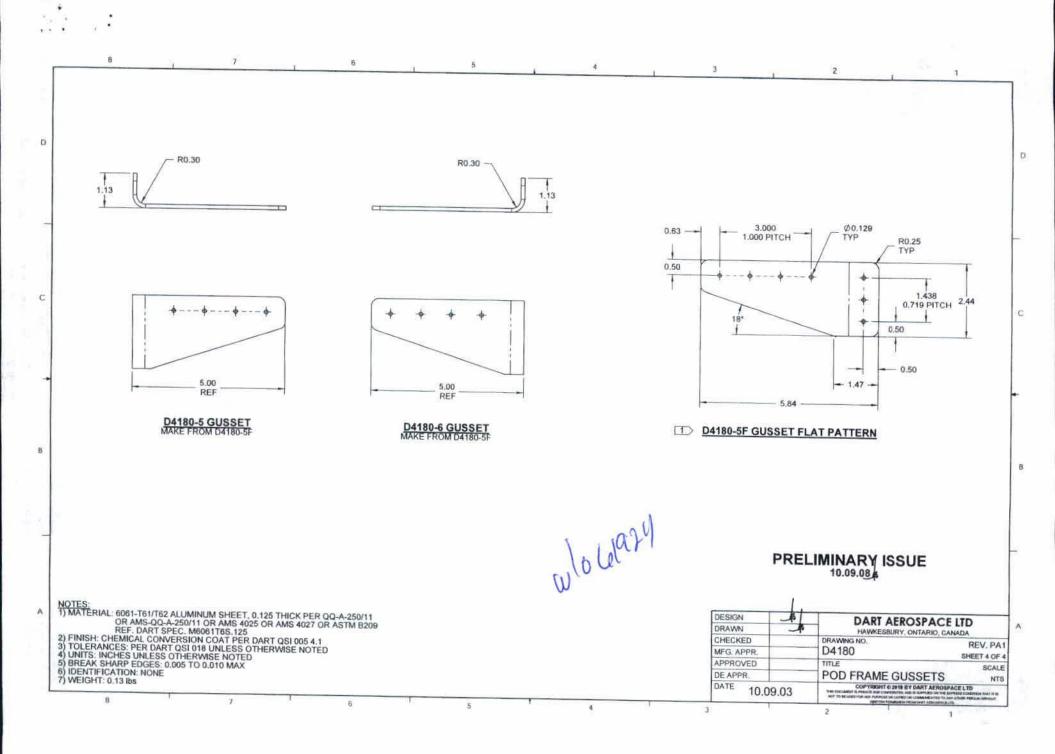


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DATE	STEP	PRO	OCEDURE CH	ANGE	1	Зу	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Ca	tegory:	NCR:	Yes N	lo DQ	Date:		
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W/O:			W	ORK ORDER CHANGES	3				9
DATE	STEP	PRO	PROCEDURE CHANGE			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		DAD #-	Fault Cate	gory	NCP: Vos	No. DO	۸.	Data	
			Fault Category: NC						
			Disposition: QA					Date:	
NCR:			WORK ORD	ER NON-CONFORMAN	CE (NCR)			
DATE	STEP	Description of NC	Corrective Action Section B			Verificati		n Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Secti	on C	Chief Eng	QC Inspector

H;)fFORMS\Quality Assurance\approved QA\NCRWO RevE



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		WO	RK ORDER CHANG	ES				
STEP	PR	OCEDURE CHAN	IGE	By Date		Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								A
:	PAR #:	Fault Categ	ory:	NCR: Yes	No DQ	A:	Date:	**
Resolution:		Disposition:		QA: N/C Cld	QA: N/C Closed: Date			
		WORK ORDE	R NON-CONFORMA	ANCE (NCR)			
	Description of NC	Corrective Action		Section B Vari		fication Approval		Annual
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date			Chief Eng	Approval QC Inspector
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	STEP	PAR #: Resolution: Description of NC	STEP PROCEDURE CHAN PAR #: Fault Category Resolution: Disposition WORK ORDE STEP Description of NC Section A Initial	STEP PROCEDURE CHANGE PROCEDURE CHANGE PAR #: Fault Category: Resolution: Disposition: WORK ORDER NON-CONFORMA STEP Description of NC Section A Corrective Action Section A Corrective Action Description	WORK ORDER CHANGES STEP PROCEDURE CHANGE By PAR #: Fault Category: NCR: Yes Resolution: Disposition: QA: N/C Clo WORK ORDER NON-CONFORMANCE (NCR STEP Description of NC Section A STEP Description of NC Section A STEP Description of NC Section B Initial Action Description Sign &	WORK ORDER CHANGES STEP PROCEDURE CHANGE By Date Disposition: NCR: Yes No DQ Resolution: Disposition: QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC Section A Corrective Action Section B Section B Section A Section B Sect	WORK ORDER CHANGES STEP PROCEDURE CHANGE By Date Qty DESCRIPTION OF NC Section A Section B Section C Sec	STEP PROCEDURE CHANGE By Date Qty Chief Eng / Prod Mgr DESCRIPTION OF NO Section A Section C Section A Section C Section A Section C Chief Eng / Prod Mgr Date: NCR: Yes No DQA:

NOTE: Date & initial all entries

H):FORMS\Quality Assurance\approved QA\NCRWO RevE

DART AEROSPACE LTD	Work Order:	497
Description: (5055ET	Part Number:	D4180-2
Inspection Dwg: D4(80-) Rev: 9A(Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

x	First Article	 Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
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1.00	4- 030	1.000	×		V	
4.38	4 .000	4,383	×	-	V	
3,03	y030	2.038	×		V	
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Measured by: 1B		Date: 10/09/13		Date:	N/A	
			inspection to t		Revised by	Approved
Rev	Date	Change			KJ/JLM	No.
A		New Issue			1.550.550.55	

